

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	)	
	)	
Kenneth P. Hinckley et al.	)	Group Art Unit: TBA
	)	
Serial No.: TBA	)	Examiner: TBA
(CONT of 09/791,900)	)	
	)	
Filed: Herewith	)	Atty. Docket No.: 003797.00819
	)	
For: ACCELERATED DATA NAVIGATION		

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. A copy of each cited prior art reference was provided or cited in the prior application in accordance with 37 C.F.R. 1.98(d). It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Without waiver of confidentiality, the attention of the USPTO is also directed to the following copending applications of common inventorship and/or assignee, which are directed to generally related subject matter:

Application Serial No. 09/791,899, entitled "Positional Scrolling," filed February 26, 2001 (Attorney Docket No. 03797.00030).


Application Serial No. 09/407,946, entitled "Accelerated Scrolling," filed September 29, 1999 (Attorney Docket No. 03797.84756).

Application Serial No. 09/212,898, entitled "System and Method of Adjusting Display Characteristics of a Displayable Data File Using an Ergonomic Computer Input Device," filed December 16, 1998.

Applicant does not waive any right to take appropriate action to establish patentability over the listed documents should they be applied as a reference against the claims of the present application.

The accompanying Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,  
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Dated: March 31, 2004

USPTO Form 1449      U.S. Department of Commerce Patent and Trademark Office <b>INFORMATION DISCLOSURE</b> <b>CITATION</b> Sheet 1 of 2		Attorney Docket No. <b>003797.00819</b>	Serial No. <b>TBA</b>
		Applicant(s): <b>Kenneth P. Hinckley</b>	
		Filing Date: <b>March 31, 2004</b>	Group: <b>TBA</b>

<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	6,097,371	8/1/00	Siddiqui et al.			

<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO

<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)</b>	
	Andrew SEARS and Ben SHNEIDERMAN, High precision touchscreens: design strategies and comparisons with a mouse, study, Int. J. Man-Machine Studies, 1991, 34, pp. 593-613, Dept. of Computer Science and Human-Computer Interaction Laboratory, University of Maryland, College Park, MD 20742
	Shumin ZHAI and Paul MILGRAM, Human Performance Evaluation of Manipulation Schemes in Virtual Environments, paper, Proc. IEEE Virtual Reality Annual International Symposium (VRAIS), Seattle, WA, Sept. 1993, Dept. of Industrial Engineering, Univ. of Toronto, Toronto, Canada M5S 1A4
	Andrew SEARS, Catherine PLAISANT, Ben SHNEIDERMAN, A New Era for High Precision Touchscreens, paper, Human-Computer Interaction Laboratory & Department of Computer Science, University of Maryland, June 1990, pp. 1-33
	Ken HINCKLEY, John C. GOBLE, Randy PAUSCH, Neal F. KASSELL, New Applications for the Touchscreen in 2D and 3D Medical Imaging Workstations, paper, Proc. SPIE Medical Imaging ' , University of Virginia, Charlottesville, VA 22903, 10 pp.
	Shumin ZHAI, Barton A. SMITH, Ted SELKER, Improving Browsing Performance: A study of four input devices for scrolling and pointing tasks, paper, Proceedings of INTERACT97: The Sixth IFIP Conference on Human-Computer Interaction, Sydney, Australia, July 14-18, pp. 286-292
	Shumin ZHAI, Ph.D., Human Performance in Six Degree of Freedom Input Control, thesis, Ergonomics in Teleoperation and Control Lab, Dept. of Industrial Engineering, University of Toronto, 1995, 227 pp.
	George G. ROBERTSON, Stuart K. CARD, and Jock D. MACKINLAY, The Cognitive Coprocessor Architecture for Interactive User Interfaces, paper, Xerox Palo Alto Research Center, 333 Coyote Hill Road, Palo Alto, CA 94304, 1989, pp. 10-18
	I. Scott MACKENZIE, Input Devices and Interaction Techniques for Advanced Computing, paper, In W. Barfield, & T.A. Furness III (Eds.), Virtual environments and advanced interface design, 1995, pp. 437-470. Oxford, UK: Oxford University Press
	Herbert D. JELLINEK, Stuart K. CARD, Powermice and User Performance, paper, Xerox Palo Alto Research Center, 3333 Coyote Hill Road, Palo Alto, CA 94304, CHI ' Proceedings, April 1990, pp. 213-220

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

USPTO Form 1449      U.S. Department of Commerce Patent and Trademark Office <b>INFORMATION DISCLOSURE</b> <b>CITATION</b> Sheet 2 of 2				Attorney Docket No. 003797.00819		Serial No. TBA	
				Applicant(s): Kenneth P. Hinckley			
				Filing Date: March 31, 2004			Group: TBA

U.S. PATENT DOCUMENTS						
Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	5,530,455	6/96	Gillick et al.			
	6,128,006	10/00	Rosenberg et al.			
	6,259,432	7/01	Yamada et al.			
	5,877,748	3/99	Sanford I. Redlich			
	6,075,533	6/00	Ming-Chih Chang			
	6,310,607	10/01	Kunio Amemiya			
	5,943,052	8/99	Allen et al.			
	6,198,473	3/6/01	Armstrong			
	5,633,657	5/27/97	Falcon			
	5,495,566	2/27/96	Kwatinetz			

FOREIGN PATENT DOCUMENTS							
Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)	
	Shumin Zhai, "Human Performance in Six Degree of Freedom Input Control", 1995, 225 pages

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